

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

PTO/SB/96 (08-03)

Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

STATEMENT UNDER 37 CFR 3.73(b)

Applicant/Patent Owner: Large Scale Proteomics Corporation

Application No./Patent No.: 10/050,102 Filed/Issue Date: January 18, 2002

Entitled: DETECTION AND CHARACTERIZATION OF MICROORGANISMS

Large Scale Proteomics Corporation, a corporation

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or

2. ☐ an assignee of less than the entire right, title and interest.

The extent (by percentage) of its ownership interest is _____ %
in the patent application/patent identified above by virtue of either:

A. ☐ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

OR

B. ☒ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: inventors To: Biosource Proteomics

The document was recorded in the United States Patent and Trademark Office at
Reel 10059, Frame 0356, or for which a copy thereof is attached.

2. From: Biosource Proteomics To: Large Scale Proteomics Corp.

The document was recorded in the United States Patent and Trademark Office at
Reel 12784, Frame 0868, or for which a copy thereof is attached.

3. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

☐ Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

September 15, 2003

John E. Tarcza, Reg.No.33,638

Date

301-354-1223

Telephone number

Typed or printed name

John E. Tarcza

Signature

Intellectual Property Advisor

Title

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

AUGUST 31, 1999

PTAS

ROTHWELL, FIGG, ERNST & KURZ., P.C.
JEFFREY L. IHNEN
555 THIRTEENTH STREET, N.W.
SUITE 701-EAST
WASHINGTON, D.C. 20004



101081140A

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 06/30/1999

REEL/FRAME: 010059/0356
NUMBER OF PAGES: 2

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

ANDERSON, NORMAN G.

DOC DATE: 06/30/1999

ASSIGNOR:

ANDERSON, N. LEIGH

DOC DATE: 06/30/1999

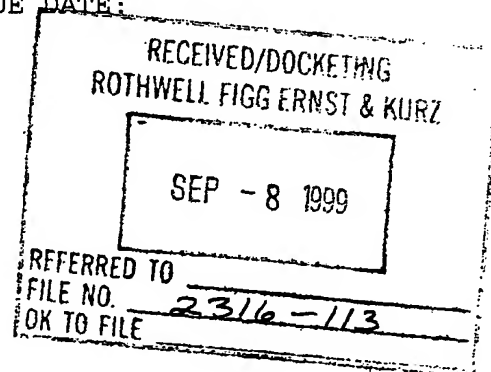
ASSIGNEE:

BIOSOURCE PROTEOMICS, INC.
9620 MEDICAL CENTER DRIVE
ROCKVILLE, MARYLAND 20850

SERIAL NUMBER: 09265541
PATENT NUMBER:

FILING DATE: 03/09/1999
ISSUE DATE:

DOROTHY RILEY, PARALEGAL
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS



FORM 1595

07-02-1999

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

MLD 6-30-99



101081140

To the Honorable Commissioner of Patents and Trademarks

Original documents or copy thereof.

1. Name of conveying party(ies):

Norman G. ANDERSON and N. Leigh ANDERSON

Additional name(s) of conveying
party(ies) attached? ☐ Yes ☒ No

2. Name and address of receiving party(ies):

Name BIOSOURCE PROTEOMICS, INC.

Internal Address:

Street Address: 9620 Medical Center Drive

City Rockville

State Maryland ZIP 20850

Additional name(s) & addresses(es) attached?

☐ Yes ☒ No

3. Name of Conveyance:

☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other

Execution Date: 30 June 1999

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)

B. Patent No.(s)

Serial No. 09/265,541, filed 09 March 1999

Additional numbers attached? ☐ Yes ☒ No5. Name and address of party to whom correspondence
concerning document should be mailed:

Name: Jeffrey L. Ihnen, Reg. No. 28,957

Internal Address: Rothwell, Figg, Ernst & Kurz, P.C.

Street Address: 555 Thirteenth Street, N.W., Suite 701-East

City: Washington

State: D.C. Zip 20004

6. Total number of applications
and patents involved:

One (1)

7. Total fee (37 CFR 3.41): . . . \$ 40.00

☒ Enclosed☐ Authorized to be charged to deposit account

8. Deposit account number:

02-2135

DO NOT USE THIS SPACE

07/01/1999 DNGUYEN 00000124 09265541

01 FC:581

40.00 DP

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a
True copy of the original document.Stephen B. Parker for
Jeffrey L. Ihnen

Name of Person Signing

Signature

30 June 1999

Date

Atty. Ref. 2316-113

Total number of pages including cover sheet, attachments and documents: two (2)

ASSIGNMENT

WHEREAS, WE, Norman G. ANDERSON, a citizen of the United States of America, residing at 10916 Wickshire Way, Rockville, Maryland 20852 and N. Leigh ANDERSON, a citizen of the United States of America, residing at 1759 Willard Street, N.W., Washington, D.C. 20009, are the inventors of an invention in DETECTION AND CHARACTERIZATION OF MICROORGANISMS, for which we have executed an application for Letters Patent of the United States, serial number 09/265,541, filed on 09 March 1999; and

WHEREAS, BIOSOURCE PROTEOMICS, INC., incorporated in the state of Maryland, with a place of business at 9620 Medical Center Drive, Rockville, Maryland 20850, is desirous of obtaining the entire right, title and interest in, to and under the said invention and the said application;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to us in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, we the said Norman G. ANDERSON and N. Leigh ANDERSON, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said BIOSOURCE PROTEOMICS, INC., its successors, legal representatives and assigns, the entire right, title and interest in, to and under the said invention, and the said application and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all applications for Letters Patent which may hereafter be filed for said invention in any country or countries foreign to the United States, and all Letters Patent which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof and all rights of priority in any such country or countries based upon the filing of the said application for Letters Patent of the United States which are created by any law, treaty or international convention; and we hereby authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said invention to the said BIOSOURCE PROTEOMICS, INC., its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith.

AND WE HEREBY further covenant and agree that we will communicate to said BIOSOURCE PROTEOMICS, INC., its successors, legal representatives and assigns, any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid the said BIOSOURCE PROTEOMICS, INC., its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said invention in all countries.

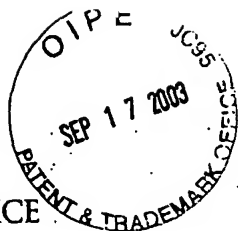
IN TESTIMONY WHEREOF, we hereunto set our hands and seals the day and year set opposite our respective signatures.

Date June 30 1999 1999 Norman G. Anderson L.S.
Norman G. ANDERSON

Date June 30, 1999 1999 N. Leigh Anderson L.S.
N. Leigh ANDERSON



UNITED STATES
PATENT AND
TRADEMARK OFFICE



JUNE 11, 2002

ROTHWELL, FIGG, ERNST & MANBECK
1425 K STREET, N.W.
SUITE 800
WASHINGTON, D.C. 20005

PTAS 15 177

2314-148

Chief Information Officer
Washington, DC 20231
www.uspto.gov



102058197A

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 04/12/2002

REEL/FRAME: 012784/0868
NUMBER OF PAGES: 4

BRIEF: CHANGE OF NAME (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

BIOSOURCE PROTEOMICS, INC.

DOC DATE: 11/12/1999

ASSIGNEE:

LARGE SCALE PROTEOMICS CORPORATION
20451 GOLDENROD LANE
GERMANTOWN, MARYLAND 20876

SERIAL NUMBER: 10050848
PATENT NUMBER:

FILING DATE: 01/18/2002
ISSUE DATE:

SERIAL NUMBER: 09993501
PATENT NUMBER:

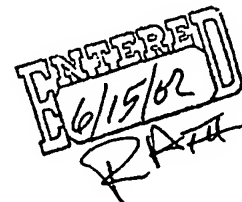
FILING DATE: 11/27/2001
ISSUE DATE:

SERIAL NUMBER: 10050102
PATENT NUMBER:

FILING DATE: 01/18/2002
ISSUE DATE:

SERIAL NUMBER: 10050846
PATENT NUMBER:

FILING DATE: 01/18/2002
ISSUE DATE:

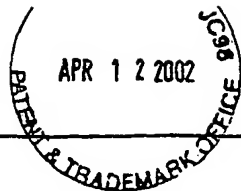


012784/0868 PAGE 2

SERIAL NUMBER: 10050847
PATENT NUMBER:

FILING DATE: 01/18/2002
ISSUE DATE:

JEEVON JONES, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS



FORM PTO-1619A

U.S. Department of Commerce
Patent and Trademark Office
PATENT

04-17-2002

RECORDATIO
PA

102058197

TO: The Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy(ies).

Submission Type

☒ New☐ Resubmission (Non-Recordation)

Document ID# _____

☐ Correction of PTO Error

Reel # _____ Frame # _____

☐ Corrective Document

Reel # _____ Frame # _____

4-12-02

Conveyance Type

☐ Assignment☐ License☐ Merger☐ Security Agreement☒ Change of Name☐ Other _____

Conveying Party(ies)

Name (line 1)

BIOSOURCE PROTEOMICS, INC.

Name (line 2)

☐ Mark if additional names of conveying parties attached

Execution Date

11/12/99

Second Party

Name (line 1)

Name (line 2)

Execution Date

Receiving Party

Name (line 1)

LARGE SCALE PROTEOMICS CORPORATION

Name (line 2)

☐ Mark if additional names of receiving parties attached

Address (line 1)

20451 Goldenrod Lane

Address (line 2)

Germantown, Maryland 20876

Address (line 3)

☐ If document to be recorded

is an assignment and the

receiving party is not

domiciled in the U.S.,

an appointment of domestic

representative is attached.

Domestic Representative Name and Address

Enter for the First Receiving Party only.

Name:

Address (line 1): Rothwell, Figg, Ernst & Manbeck

Address (line 2): 1425 K Street, N.W.

Address (line 3): Suite 800

Address (line 4): Washington, D.C. 20005

FOR OFFICE USE ONLY

04/16/2002 TDIAR1 00000136 10050848

01 FC:581

200.00 09

Correspondent Name and Address

Area Code and Telephone Number: 202/783-6040

Name: Jeffrey L. Ihnen, Reg. No. 28,957
Address (line 1): Rothwell, Figg, Ernst & Manbeck
Address (line 2): 1425 K Street, N.W.
Address (line 3): Suite 800
Address (line 4): Washington, D.C. 20005

PagesEnter the total number of pages of the attached conveyance document
including any attachments

two (2)

Application Number(s) or Patent Number(s)

[] Mark if additional numbers attached

Patent Application Number(s):

Patent Number(s):

10/050,848

09/993,501

10/050,102

10/050,846

10/050,847

If this document is being filed together with a new Patent Application, enter the date of the patent
application was signed by the first named executing inventor.

Patent Cooperation Treaty (PCT)

Enter PCT application Number
only if a U.S. Application Number
has not been assigned

PCT

Number of Properties

Enter the total number of properties involved. # five (5)

Fee Amount

Fee Amount for five (5) Properties Listed (37 CFR 3.41): \$200.00

Method of Payment: ☒ Enclosed ☐ Deposit Account ☐ Credit Card
Deposit Account

(Enter for payment by deposit account or if additional fees can be charged to the account.)

Deposit Account Number: 02-2135

Authorization to charge additional fees: Yes ☒ No ☐**Statement and Signature**

*To the best of my knowledge and belief, the foregoing information is true and correct and any
attached copy is a true copy of the original document. Charges to deposit account are authorized,
as indicated herein.*

JEFFREY L. IHNEN

Name of Person Signing

Registration No. 28,957

Dockets No. 2316-148/-149/-150/-151/-152


Signature12 APRIL 2002

Date

Office of the Secretary of State

I, EDWARD J. FREEL, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF AMENDMENT OF "BIOSOURCE PROTEOMICS, INC.", CHANGING ITS NAME FROM "BIOSOURCE PROTEOMICS, INC." TO "LARGE SCALE PROTEOMICS CORPORATION", FILED IN THIS OFFICE ON THE SIXTEENTH DAY OF NOVEMBER, A.D. 1999, AT 11:56 O'CLOCK A.M.



2118264 8100

991517164

A handwritten signature in cursive script, reading "Edward J. Freel".

Edward J. Freel, Secretary of State

AUTHENTICATION: 0117052

DATE: 12-03-99

CERTIFICATE OF AMENDMENT
OF
CERTIFICATE OF INCORPORATION

Biosource Proteomics, Inc., a corporation organized and existing under and by virtue of the General Corporation Law of the State of Delaware,

DOES HEREBY CERTIFY:

FIRST: That the Board of Directors of said corporation, adopted a resolution proposing and declaring advisable the following amendment to the Certificate of Incorporation of said corporation:

RESOLVED, that the Certificate of Incorporation of Biosource Proteomics, Inc. be amended by changing the First Article thereof so that, as amended, said Article shall be and read as follows:

"FIRST: The name of the Corporation is Large Scale Proteomics Corporation "


SECOND: That in lieu of a meeting and vote of stockholders, the stockholders have given written consent to said amendment in accordance with the provisions of Section 228 of the General Corporation Law of the State of Delaware.

THIRD: That the aforesaid amendment was duly adopted in accordance with the applicable provisions of Sections 242 and 228 of the General Corporation Law of the State of Delaware.

IN WITNESS WHEREOF, said Corporation has caused this certificate to be signed by N. Leigh Anderson, its President, this 12th day of November, 1999.

Biosource Proteomics, Inc.

By


President



Docket Number: 2316-150

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of) Examiner: Frank W. LU
ANDERSON et al.) Group Art Unit: 1634
Serial No.: 10/050,102)
Filed: January 18, 2002)

For: DETECTION AND CHARACTERIZATION OF MICROORGANISMS

ASSOCIATE POWER OF ATTORNEY/AUTHORIZATION OF AGENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Date: September 15, 2003

Sir:

In accordance with 37 CFR § § 1.34(a) and/or 1.34(b), the undersign hereby appoints;

R. Thomas Gallegos, Reg. No. 32,692
John C. Robbins, Reg. No. 34,706
John E. Tarcza, Reg. No. 33,638

As associate attorneys/agents of record in the above-referenced patent application, with full power of substitution and revocation, to prosecute this application and to transact all business in the U.S. Patent and Trademark Office connected therewith.

I the undersigned, am a patent agent at Large Scale Proteomics Corporation and am a representative of the inventors of the instant application under 37 CFR § 1.31.

Respectfully submitted,

John E. Tarcza

Reg. No. 33,638

Large Scale Proteomics Corporation,
A division of Large Scale Biology Corporation
3333 Vaca Valley Parkway, Suite 1000
Vacaville, CA 95688
Direct Tel. 301-354-1223



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of) Examiner: Frank W. LU
ANDERSON et al.) Group Art Unit: 1634
Serial No.: 10/050,102) Filed: January 18, 2002

For: DETECTION AND CHARACTERIZATION OF MICROORGANISMS

CERTIFICATE UNDER 37 CFR 3.73(b)

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

September 15, 2003

Large Scale Biology Corporation, a corporation, certifies that it is the assignee of the entire right, title and interest in the patent application identified above by virtue of

[X] A Chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From the inventors to Biosource Proteomics. The document was recorded in the U.S. Patent and Trademark Office at Reel 10059, Frame 0356.
2. From the Biosource Proteomics to Large Scale Proteomics Corp. The document was recorded in the U.S. Patent and Trademark Office at Reel 12784, Frame 0868.

The undersigned has reviewed all the documents in the chain of title of the patent application identified above and, to the best of the undersigned's knowledge and belief, title is in the assignee identified above.

The undersigned (whose title is supplied below) is empowered to act on behalf of the assignee. I hereby declare that all statements made herein of my own knowledge are true and that statements made on information and belief are believed to be true; and further, that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application of any patent issuing thereon.

Respectfully submitted,

Date: September 15, 2003
Docket Number: 2316-150

John E. Tarcza
Reg. No. 33,638
Intellectual Property Advisor
Large Scale Proteomics Corporation,
A division of Large Scale Biology Corporation
3333 Vaca Valley Parkway, Suite 1000
Vacaville, CA 95688

Direct Tel. 301-354-1223
E-MAIL john.tarcza@lsbc.com